

ELECTRICAL LEGENDS

<p>○ SINGLE RECEPTACLE</p> <p>⊕ DUPLEX RECEPTACLE (EXISTING)</p> <p>⊕ 220V RECEPTACLE</p> <p>⊕ SWITCHED RECEPTACLE</p> <p>⊕ QUADRAPLEX RECEPTACLE</p> <p>⊕ SINGLE FLOOR RECEPTACLE</p> <p>⊕ DUPLEX FLOOR RECEPTACLE</p> <p>⊕ SWITCHED FLOOR RECEPTACLE</p> <p>⊕ QUADRAPLEX FLOOR RECEPTACLE</p> <p>△ SPECIAL PLUG</p> <p>GFI GROUND FAULT INTERRUPTER</p> <p>WP WEATHERPROOF GROUND GFI FAULT INTERRUPTER</p> <p>EP ELECTRIC PANEL</p> <p>VP VAPOR PROOF</p> <p>24x48 FLUOR. FIXTURE</p> <p>12x48 FLUOR. FIXTURE</p> <p>EXHAUST FAN w/LIGHT</p> <p>EXHAUST FAN</p> <p>CEILING FAN</p> <p>CEILING FAN w/LIGHT</p> <p>ELECTRIC CO. METER</p> <p>SMOKE DETECTOR</p> <p>SINGLE POLE SWITCH</p> <p>DOUBLE POLE SWITCH</p>	<p>EMERGENCY LIGHT</p> <p>WALL RECESS</p> <p>EXIT LIGHT</p> <p>SINGLE FLOOD - SOFFIT MOUNTED</p> <p>DOUBLE FLOOD - SOFFIT MOUNTED</p> <p>INCANDESCENT FIXTURE - CEILING MOUNTED</p> <p>INCANDESCENT FIXTURE - WALL MOUNTED</p> <p>RECESSED HIGH HAT</p> <p>RECESS INCAND. (EYEBALL) FIXTURE</p> <p>2 FT UNDER CABINET FLUOR. FIXTURE</p> <p>3 FT UNDER CABINET FLUOR. FIXTURE</p> <p>4 FT UNDER CABINET FLUOR. FIXTURE</p> <p>STRIP LIGHT</p> <p>SINGLE POLE SWITCH</p> <p>3 WAY SWITCH</p> <p>4 WAY SWITCH</p> <p>DIMMER SWITCH</p> <p>PUSHBUTTON</p> <p>DISCONNECT SWITCH</p> <p>JUNCTION BOX</p> <p>TV JACK</p> <p>COMPUTER OUTLET (W/ GENERAL USE DUPLEX RECEPTACLE)</p> <p>PHONE JACK - PREWIRE ONLY</p> <p>ARC-FAULT PROTECTION</p> <p>THREE WAY SWITCH</p> <p>SWITCHING ARRANGEMENTS</p>
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ELECTRICAL NOTES

- 1.) ALL ELECTRICAL WORK SHALL COMPLY W/THE NATIONAL ELECTRICAL CODE, F.B.C. AND ALL OTHER APPLICABLE CODES.
- 2.) ALL ELECT. WORK TO BE DONE BY A LICENSED ELECTRICAL CONTRACTOR AFTER A PERMIT IS ISSUED.
- 3.) CONDUIT UNDERGROUND TO BE PVC SCHEDULE 40
- 4.) CONDUIT EXPOSED TO WEATHER TO BE IMC.
- 5.) WIRE INSTALLED ELSEWHERE TO BE ROMEX.
- 6.) FLEXIBLE CONDUIT SHALL BE SEAL TITE.
- 7.) OUTLETS INSTALLED OUTDOORS, GARAGE AND BATHROOMS SHALL HAVE GROUND FAULT INTERRUPTER
- 8.) ELECTRICAL OUTLETS (RECEPTACLES AND LIGHTING) BELOW BASE FLOOD ELEVATION SHALL BE INSTALLED AT THE HIGHEST PERMITTED CIRCUITS FROM THOSE IN THE HABITAT AREA.
- 9.) NO APPLIANCES OR APPLIANCE OUTLETS SHALL BE INSTALLED BELOW BASE FLOOD ELEVATION.
- 10.) A/C COMPRESSORS SHALL BE INSTALLED ABOVE BASE FLOOD ELEVATION.
- 11.) MAIN CIRCUIT BREAKERS PANELS SHALL BE LOCATED ABOVE BASE FLOOD ELEVATION.
- 12.) IT IS SUGGESTED THAT YOU CONFER WITH FLORIDA POWER & LIGHT TO LOCATE THE ELECTRICAL METER TO COMPLY WITH FEDERAL EMERGENCY MANAGEMENT AGENCY REQUIREMENTS.
- 13.) PROVIDE SMOKE DETECTOR AS INDICATED HEREIN. SUCH SMOKE DETECTOR SHALL INTERCONNECTED AND SHALL BE POWERED OFF BY A BATH OR KITCHEN CIRCUIT W/ 110 VOLT MIN. WITH BATTERY BACKUP
- 14.) PROVIDE ARC FAULT PROTECTION ON BEDROOM AND OTHER CIRCUITS
- 15.) ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLTS, SINGLE PHASE, 15- AND 20-AMPERES INSTALLED IN DWELLING UNIT, BEDROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S). AS PER NEC 210-12 (b)

WET LOCATION NOTES :

- 1.- ALL ELECT. EQUIP. EXPOSED TO WEAVER SHALL COMPLY TO NEC 312.2
- 2.- SWITCHES OR CIRCUIT BREAKERS IN WET LOCATION OR OUTSIDE OF A BUILDING SHALL BE ENCLOSED IN A WEATHERPROOF ENCLOSURE OR CABINET PER NEC. 404.4
- 3.- NO SWITCHES SHALL BE INSTALLED WITHIN WET LOCATION.

SMOKE DETECTOR NOTES

SMOKE DETECTOR SHALL NOT BE PLACED WITHIN 3 FT. OF ANY A/C GRILL.

SMOKE DETECTOR SHALL BE HARDWIRED (110 VOLT TYPE) TO A NON-SWITCHABLE KITCHEN OR BATHROOM LIGHTING CIRCUIT WITH BATTERY BACK-UP AND SHALL NOT BE CONNECTED ONTO THE LOAD SIZE OF GROUND FAULT CIRCUIT INTERRUPTER ALL SMOKE DETECTORS WITHIN EACH UNIT SHALL BE INTERCONNECTED.

ELECTRICAL PANEL SCHEDULE FOR THE EXISTING BUILDING

PROPOSED ELECTRICAL SCHEDULE				BUS: 200A MB		VOLTAGE:120/240,1Ø 3W	
LOCATION PANEL : OUTSIDE				POLE: 42			
EXISTING HOUSE/LOADS		WATTAGE	VOLTAGE	WIRE	C.B.	TYPE	REMARKS
13,15,17	LIGHT & RECEPT.	5,691	120	#14	15	ROMEX	1,897.00 X 3w/sq.ft. = 5,691.00 w
24							1500 w each circuit
16,22	BATHROOM	700	120	#12	20	1P	EXISTING
29,31	AHU	8,000	240	# 6	40	2P	EXISTING
25,27	C.U.	4200	240	# 6	40	2P	EXISTING
26,28	RANGE/STOVE	12000	240	#6	50	2P	RELOCATED
12	WASHER..	1,500	120	#12	20	ROMEX	RELOCATED
7,9	WATER HEATER	5,000	240	#10	25	2P	EXISTING
14	REFRIGERATOR	1500	120	#12	20	ROMEX	RELOCATED
19,21	SMALL APPLIANCE	3,000	120	#12	20	ROMEX	RELOCATED
18,20	DRYER	5000	240	#10	30	2P	RELOCATED
40,42	SPARES						
1) TOTAL WATTS		46,591					
NEW LOADS							
PANEL "C"		SUBFEED					
1-8	LIGHT/RECEP.	1,512	120	# 12	15	ROMEX	504.00 S.F X 3w/sqft = 1,512.00 watts
33,35	RANGE/STOVE	12000	240	#6	50	2P	1500 w each circuit
7	SMOKE DETECT.	1,500	120	# 12	20	ROMEX	
10,12	WALL UNIT	2500	240	# 10	30	ROMEX	
32,34	SPARES						
2) TOTAL WATTS		5,512.0					
Σ TOTAL WATTS		52,103.00					

THE FIRST 10000 WATTS @ 100% = 10,000 W

TOTAL WATTS = 52,103.00 WATTS - 10,000.00 (AC) = 41,603.00 WATTS

REMAINING 41,603.00 WATTS @ 100% = 41,603.00 WATTS

AIR CONDIT. = 13,125.00 WATTS

TOTAL WATTS = 55,766.20

DATE 2/6/2013 12:42:55 PM

DISP. TRADE STAMP NAME

ELEC Disapproved

TOTAL FOR THE BUILDING : 35,766.20 WATTS

TOTAL AMPS : 35,766.20/240 V = 149.02

SERVICE SHALL BE 200 AMPS.

THE EXISTING 200 AMPERES IS GOOD

ENOUGH TO SUPPORT THE NEW LOADS.

WET LOCATION NOTES:

1. ALL ELECT. EQUIP. EXPOSED TO WEATHER SHALL COMPLY TO NEC 373-2 (A)
2. SWITCHES OR CIRCUIT BREAKERS IN WET LOCATION OR OUTSIDE OF A BUILDING SHALL BE ENCLOSED IN A WEATHERPROOF ENCLOSURE OR CABINET. PER NEC 380-4
3. NO SWITCHES SHALL BE INSTALLED WITHIN WET LOCATION

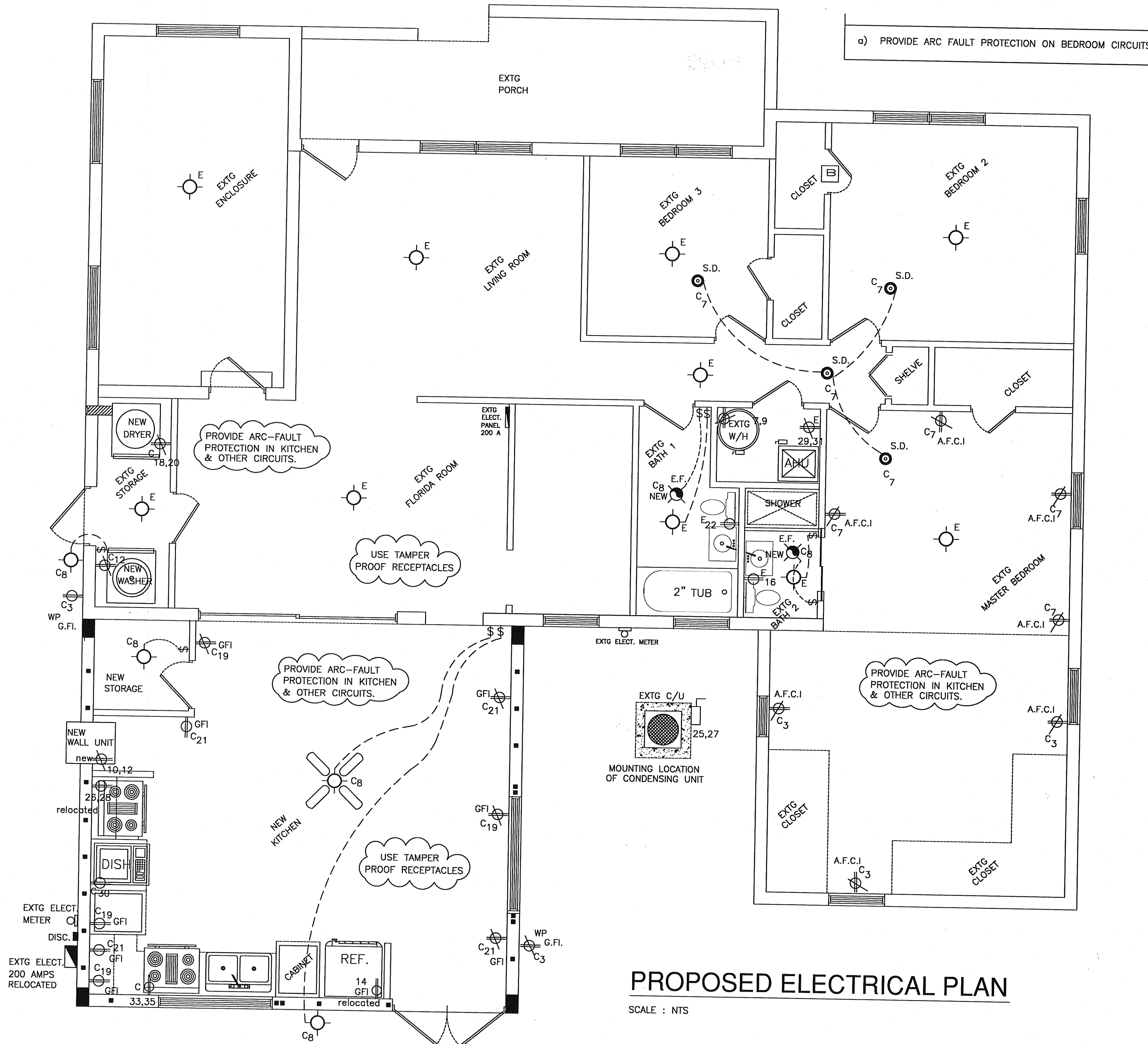
NOTE :

PROVIDE TAMPER RESISTANT RECEPTACLES AS PER 2008 NEC 406.11

SMOKE DETECTORS NOTES :

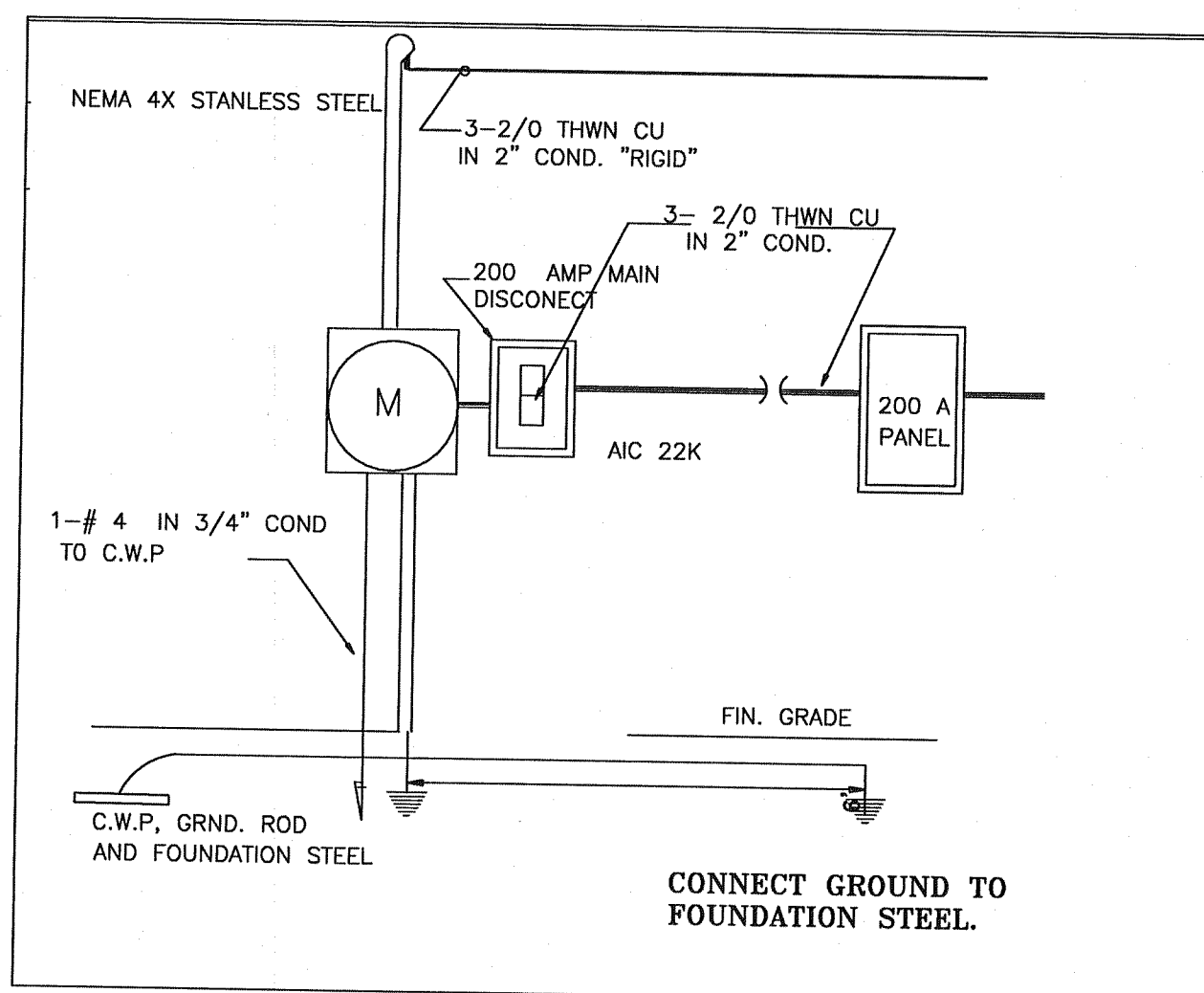
SMOKE DETECTOR CANNOT BE CONNECTED TO GROUND FAULT CIRCUIT INTERRUPTERS.

SMOKE DETECTORS IN BEDROOMS SHALL BE CONNECTED TO AFCI PROTECTED CIRCUITS.

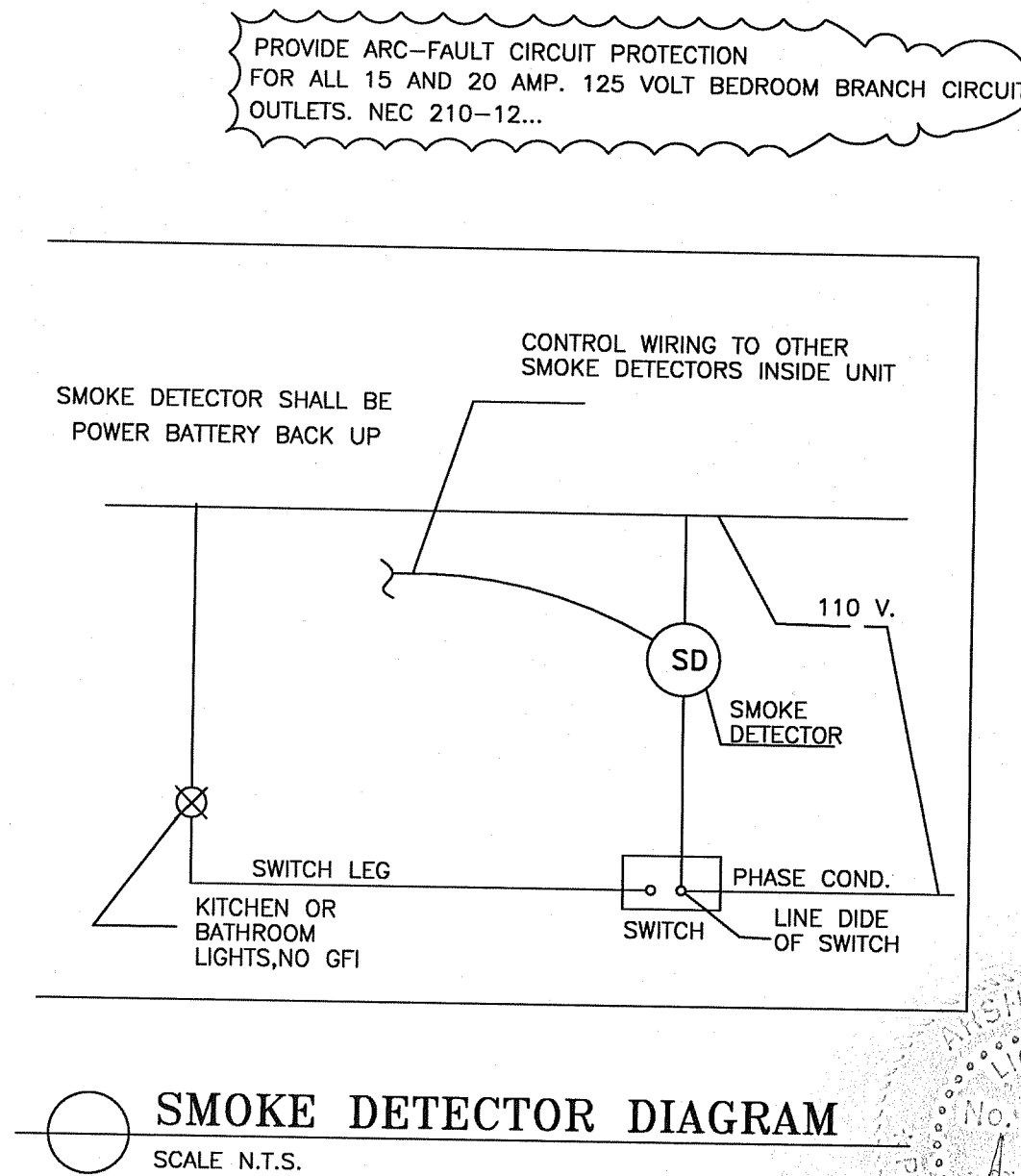


PROPOSED ELECTRICAL PLAN

SCALE : NTS



EXISTING ELECTRICAL RISER DIAGRAM



PROPOSED PLUMBING DETAILS

FOR : CARLINE JOSEPH TONEY

662 N.E. 160 STREET

MIAMI, FL. 33162

SCALE: 1/4" = 1'-0"

DRAWN BY PAD

SHEET NO. E-1

ENGINEER OF RECORD

ARSHAD VIQAR, P.E.
FL. LICENSE # 38863
13876 S.W. 56 STREET
(305) 316-1957